

OIPE

#8

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/358,788

DATE: 08/16/2001

TIME: 13:58:16

Input Set : A:\244299.txt

Output Set: N:\CRF3\08162001\I358788.raw

ENTERED

3 <110> APPLICANT: Heller, Michael  
 4 Tu, Eugene  
 6 <120> TITLE OF INVENTION: Method for the Electronic Analysis of a Sample  
 Oligonucleotide Sequence  
 8 <130> FILE REFERENCE: Nanogen 244/299  
 10 <140> CURRENT APPLICATION NUMBER: 09/358,788  
 C--> 11 <141> CURRENT FILING DATE: 2000-07-22  
 13 <150> PRIOR APPLICATION NUMBER: 08/725,976  
 14 <151> PRIOR FILING DATE: 1996-10-04  
 16 <160> NUMBER OF SEQ ID NOS: 31  
 18 <170> SOFTWARE: PatentIn version 3.0  
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 22 <212> TYPE: DNA  
 23 <213> ORGANISM: Artificial Sequence ✓  
 25 <220> FEATURE:  
 26 <223> OTHER INFORMATION: synthetic test oligonucleotide ✓  
 28 <220> FEATURE:  
 29 <221> NAME/KEY: misc\_feature  
 30 <222> LOCATION: (23)..(23)  
 31 <223> OTHER INFORMATION: Sequence is followed by a 3-terminal ribonucleoside uracil  
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 38 <210> SEQ ID NO: 2  
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 41 <213> ORGANISM: Artificial Sequence ✓  
 43 <220> FEATURE:  
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 46 <220> FEATURE:  
 47 <221> NAME/KEY: misc\_feature  
 48 <222> LOCATION: (20)..(20)  
 49 <223> OTHER INFORMATION: Sequence is followed by a 3-terminal ribonucleoside uracil  
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 53 aaaaaaaaaa aaaaaaaaaa 20  
 56 <210> SEQ ID NO: 3  
 57 <211> LENGTH: 33  
 58 <212> TYPE: DNA  
 59 <213> ORGANISM: Artificial Sequence ✓  
 61 <220> FEATURE:  
 62 <223> OTHER INFORMATION: synthetic test oligonucleotide ✓  
 64 <220> FEATURE:  
 65 <221> NAME/KEY: misc\_feature  
 66 <222> LOCATION: (33)..(33)  
 67 <223> OTHER INFORMATION: Sequence is followed by a 3-terminal ribonucleoside uracil  
 70 <400> SEQUENCE: 3  
 71 ctacgtggac ctggagagga aggagactgc ctg 33  
 74 <210> SEQ ID NO: 4

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76 <212> TYPE: DNA  
77 <213> ORGANISM: Artificial Sequence ✓  
79 <220> FEATURE:  
80 <223> OTHER INFORMATION: synthetic test oligonucleotide ✓  
82 <220> FEATURE:  
83 <221> NAME/KEY: misc\_feature  
84 <222> LOCATION: (19)..(19)  
85 <223> OTHER INFORMATION: Sequence is followed by a 3-terminal ribonucleoside uracil  
88 <400> SEQUENCE: 4  
89 gagttcagca aatttgag 19  
92 <210> SEQ ID NO: 5  
93 <211> LENGTH: 19  
94 <212> TYPE: DNA  
95 <213> ORGANISM: Artificial Sequence ✓  
97 <220> FEATURE:  
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100 <220> FEATURE:  
101 <221> NAME/KEY: misc\_feature  
102 <222> LOCATION: (19)..(19)  
103 <223> OTHER INFORMATION: Sequence is followed by a 3-terminal ribonucleoside uracil  
106 <400> SEQUENCE: 5  
107 cgtagaactc ctcatctcc 19  
110 <210> SEQ ID NO: 6  
111 <211> LENGTH: 17  
112 <212> TYPE: DNA  
113 <213> ORGANISM: Artificial Sequence ✓  
115 <220> FEATURE:  
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119 <221> NAME/KEY: misc\_feature  
120 <222> LOCATION: (17)..(17)  
121 <223> OTHER INFORMATION: Sequence is followed by a 3-terminal ribonucleoside uracil  
124 <400> SEQUENCE: 6  
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131 <213> ORGANISM: Artificial Sequence ✓  
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136 <220> FEATURE:  
137 <221> NAME/KEY: misc\_feature  
138 <222> LOCATION: (19)..(19)  
139 <223> OTHER INFORMATION: Sequence is followed by a 3-terminal ribonucleoside uracil  
142 <400> SEQUENCE: 7  
143 gatgagcagt tctacgtgg 19  
146 <210> SEQ ID NO: 8  
147 <211> LENGTH: 17

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148 <212> TYPE: DNA  
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 151 <220> FEATURE:  
 152 <223> OTHER INFORMATION: synthetic test oligonucleotide ✓  
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 155 <221> NAME/KEY: misc\_feature  
 156 <222> LOCATION: (17)..(17)  
 157 <223> OTHER INFORMATION: Sequence is followed by a 3-terminal ribonucleoside uracil  
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 161 ctggagaaga aggagac 17  
 164 <210> SEQ ID NO: 9  
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 167 <213> ORGANISM: Artificial Sequence ✓  
 169 <220> FEATURE:  
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 174 <222> LOCATION: (21)..(21)  
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 190 <220> FEATURE:  
 191 <221> NAME/KEY: misc\_feature  
 192 <222> LOCATION: (19)..(19)  
 193 <223> OTHER INFORMATION: Sequence is followed by a 3-terminal ribonucleoside uracil  
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 205 <220> FEATURE:  
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 208 <220> FEATURE:  
 209 <221> NAME/KEY: misc\_feature  
 210 <222> LOCATION: (19)..(19)  
 211 <223> OTHER INFORMATION: Sequence is followed by a 3-terminal ribonucleoside uracil  
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 218 <210> SEQ ID NO: 12  
 219 <211> LENGTH: 19  
 220 <212> TYPE: DNA

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224 <223> OTHER INFORMATION: synthetic test oligonucleotide ✓
226 <220> FEATURE:
227 <221> NAME/KEY: misc_feature
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229 <223> OTHER INFORMATION: Sequence is followed by a 3-terminal ribonucleoside uracil
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237 <211> LENGTH: 20
238 <212> TYPE: DNA
239 <213> ORGANISM: Artificial Sequence ✓
241 <220> FEATURE:
242 <223> OTHER INFORMATION: synthetic test oligonucleotide ✓
244 <220> FEATURE:
245 <221> NAME/KEY: misc_feature
246 <222> LOCATION: (1)..(1)
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255 <211> LENGTH: 18
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263 <221> NAME/KEY: misc_feature
264 <222> LOCATION: (1)..(1)
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269 gagagactca tgagcagg 18
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281 <221> NAME/KEY: misc_feature
282 <222> LOCATION: (1)..(1)
283 <223> OTHER INFORMATION: "Aminolink2" modified with an amino terminus
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290 <210> SEQ ID NO: 16
291 <211> LENGTH: 20
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293 <213> ORGANISM: Artificial Sequence ✓

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295 <220> FEATURE:
296 <223> OTHER INFORMATION: synthetic test oligonucleotide ✓
298 <220> FEATURE:
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300 <222> LOCATION: (1)..(1)
301 <223> OTHER INFORMATION: "Aminolink2" modified with an amino terminus
304 <400> SEQUENCE: 16
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313 <220> FEATURE:
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317 <221> NAME/KEY: misc_feature
318 <222> LOCATION: (1)..(1)
319 <223> OTHER INFORMATION: "Aminolink2" modified with an amino terminus
322 <400> SEQUENCE: 17
323 caggcagtct ccttcctctc caggtccacg tag 33
326 <210> SEQ ID NO: 18
327 <211> LENGTH: 19
328 <212> TYPE: DNA
329 <213> ORGANISM: Artificial Sequence ✓
331 <220> FEATURE:
332 <223> OTHER INFORMATION: synthetic test oligonucleotide ✓
334 <220> FEATURE:
335 <221> NAME/KEY: misc_feature
336 <222> LOCATION: (1)..(1)
337 <223> OTHER INFORMATION: "Aminolink2" modified with an amino terminus
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347 <213> ORGANISM: Artificial Sequence ✓
349 <220> FEATURE:
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352 <220> FEATURE:
353 <221> NAME/KEY: misc_feature
354 <222> LOCATION: (1)..(1)
355 <223> OTHER INFORMATION: "Aminolink2" modified with an amino terminus
358 <400> SEQUENCE: 19
359 ggagatgagg agttctacg 19
362 <210> SEQ ID NO: 20
363 <211> LENGTH: 17
364 <212> TYPE: DNA
365 <213> ORGANISM: Artificial Sequence ✓
367 <220> FEATURE:

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VERIFICATION SUMMARY

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L:11 M:271 C: Current Filing Date differs, Replaced Current Filing Date